

Application No. 09/744,662
Amendment "E" dated April 10, 2006
Reply to the Office action mailed January 11, 2006

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-35 (Cancelled)

36. (Previously Presented) In a server connected to a client over a network, a method of generating a compressed video stream of a user interface in order to provide said client with remote access to one or more computer programs running at said server, said method comprising:

executing a computer program at said server, said computer program providing a plurality of display commands which represent a user interface for said computer program;

drawing at least a portion of said user interface for said computer program on a virtual display at said server;

prior to compressing said user interface for remote display at said client, generating a plurality of quantized transform coefficients from said display commands, wherein one or more different quantized transform coefficients are generated for different display commands;

creating a compressed video stream of said user interface by utilizing said coefficients for said different display commands;

sending said compressed video stream to said client for remotely displaying said user interface at said client as a video stream as opposed to said plurality of display commands provided by said program;

receiving user input from said client that is directed to said user interface; and

based on the received user input from said client, sending a second compressed video stream to said client for remotely displaying a modified version of said user interface of said computer program.

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37. (Previously Presented) A method according to claim 36, wherein said generating comprises looking up coefficients in a table.

38. (Previously Presented) A method according to claim 36, wherein said generating comprises calculating coefficients.

39. (Previously Presented) A method according to claim 36, comprising determining a display requirement and wherein said quantization is responsive to said determination.

40. (Previously Presented) A method according to claim 36, wherein said coefficients are generated quantized.

41. (Previously Presented) A method according to claim 36, wherein said coefficients are generated unquantized and comprising quantizing said generated coefficients.

42. (Previously Presented) A method according to claim 41, wherein said coefficients are quantized separately for different commands.

43. (Previously Presented) A method according to claim 41, wherein said coefficients are quantized separately for different image blocks.

44. (Previously Presented) A method according to claim 41, wherein said coefficients for an entire image are quantized together.

45. (Previously Presented) A method according to claim 41, wherein said quantization is responsive to a desired bandwidth of said stream.

46. (Previously Presented) A method according to claim 41, wherein said quantization is responsive to a desired quality of said stream.

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47. (Previously Presented) A method according to claim 36, wherein said coefficients are quantized differently responsive to an identification of the command type.

48. (Previously Presented) A method according to claim 36, wherein said coefficients are quantized differently responsive to a display content generated by said command.

49. (Previously Presented) A method according to claim 36, wherein said coefficients are quantized differently responsive to a spatial effect of said command.

50. (Previously Presented) A method according to claim 36, wherein said coefficients are quantized differently, responsive to a frequency to which said coefficient corresponds.

51. (Previously Presented) A method according to claim 36, wherein said commands are provided and coefficients generated sequentially for individual commands.

52. (Previously Presented) A method according to claim 36, wherein said commands are provided and coefficients generated on a block-by-block basis.

53. (Previously Presented) A method according to claim 36, wherein said commands are provided and coefficients generated on a frame-by-frame basis.

54. (Previously Presented) A method according to claim 36, comprising varying said generation between corresponding commands on consecutive frames.

55. (Previously Presented) A method according to claim 54, wherein said varying comprises generating a different effective refresh rate for different commands.

56. (Previously Presented) A method according to claim 36, comprising preprocessing at least one of said commands prior to said generation.

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57. (Previously Presented) A method according to claim 56, wherein said preprocessing interacts with said generation to require achieving a lower bit-rate for said command.

58. (Previously Presented) A method according to claim 56, wherein said preprocessing interacts with said generation to counteract visibility reducing effects of said generation.

59. (Previously Presented) A method according to claim 56, wherein said preprocessing interacts with said generation to increase a visibility of an effect of a command.

60. (Previously Presented) A method according to claim 36, wherein providing said display commands comprises providing a plurality of sets of display commands, each corresponding to a different compressed stream.

61. (Previously Presented) A method according to claim 60, wherein a same display command is compressed differently for the different sets.

62. (Previously Presented) A method according to claim 36, wherein said plurality of display commands corresponds to an Internet browser user interface.

63. (Previously Presented) A method according to claim 36, wherein creating said compressed video stream comprises creating a stream including both an effect of said commands and at least a portion of an additionally provided compressed video stream.

64. (Previously Presented) A method according to claim 36, wherein a text display command is quantized using a finer quantization than a graphics command.

65. (Previously Presented) A method according to claim 36, comprising broadcasting said generated video stream to a plurality of users, using a compressed video transport stream.

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66.—71. (Canceled)